Docket No. USF-T190XC1 Serial No. 10/766,157

In the Specification

Please substitute the following pages 29 through 60 with the attached pages 29 through 66.

Table 1. Differentially expressed genes in LGL1 and LGL2. This data is based on Incyte Genomics and Affymetrix Chip FL 6800

	Incyte Ge	nomics	Affyr	netrix
Gene Name	BDE (p1/p2)	GenBankID	Fold Change (LGL1/LGL2)	GenBank ID If different from Incyte Genomics
Upregulated Genes				
Proteolytic enzymes				
Granzyme H precursor	6.3 (3332/533)	M57888 NM033423 BC027974	(1.5/1.8) (21.8/10.8)	M37245 M28879
Lymphopain (Cathepsin <u>Cathapsin</u> W)	5.4 (3578/658)	AF013661 NM001335 BC035637 BC048255		
Perforin	3.8 (1549/413)	L40557 BC063043 X13224 X12940 M28393	(103-44.7)	M31951
Matrix metalloprotease metalloprotenase 8 (neutrophil collagenase)	3.2 (1178/370)	J05556 NM002424	(1.0/-1.1)	
Calpain, small polypeptide	2.0 (4089/2059)	X04106 BC064998 BC023643 BC017308 NM001749 BC018931 BC000592 BC011903 BC007779 BC021933 BT009775 NM032330 BC006000 BC005397 AY052551	(1.1/1.3)	

Table 1. Differentially expressed genes in LGL1 and LGL2. This data is based on Incyte Genomics and Affymetrix Chip FL 6800

	Incyte Ge	nomics	Affyr	netrix
Gene Name	BDE (p1/p2)	GenBankID	Fold Change (LGL1/LGL2)	GenBank ID If different from Incyte Genomics
Granzyme A	1.9 (1944/1022)	NM06144 BC015739		
Caspase 8 (From RPA also)	1.4 (2035/1480)	U97075 NM033357 NM033358	(1.2/-1.4)	AF005775
Inducible or regulated proteins				
Interferon regulated factor 4	5.0 (1128/226)	U52682	(6/-1.5)	
TNF-α induced protein A 20	3.2 (1507/470)	M59465	(-1.3/-3.8)	
Heat shock 70 let kd protein 5 (Glucose regulated protein 78 kd)	2.8 (4090/1464)	X87949	(5.3/14.5)	M11717
RANTES (RPA also)	2.7 (2490/909)	M21121	(5.9/6)	
Human rap 2 mRNA for ras related protein proteins	2.6 (899/327)	X12534		
p53 inducible proteins	2.2 (2040/916)	L47738	(2.9/2.3)	
Glucose regulated proteins 58 kd receptors	2.2 (3661/1641)	AL043206		
RECEPTORS	7.2 (4225/504)	M12024	(12/11)	M27161
CD8 antigen, alpha polypeptide (p32)	7.3 (4325/594)	M12824	(-1.2/-1.1)	M27161

Table 1. Differentially expressed genes in LGL1 and LGL2. This data is based on Incyte Genomics and Affymetrix Chip FL 6800

	Incyte Ge	enomics	Affymetrix		
Gene Name	BDE (p1/p2)	GenBankID	Fold Change (LGL1/LGL2)	GenBank ID If different from Incyte Genomics	
Killer cell lectin-like receptor subfamily C, member 2 (NKG2- CII)	5.5 (2115/383)	AJ001684			
CD8 antigen beta polypeptide (p37)	9.0 (1953/401)	NM004931	(7.2/5.2)	X13444	
Musculin (activated B-cell factor-1)	4.1 (466/113)	AF087036			
Killer cell lectin-like receptor subfamily C, member 3 (NKG2- CII)	3.8 (1335/344)	AJ001685			
subfamily C, member 2 (NKG2-CII)	5.5 (2115/383)	AJ001684			
CD8 antigen beta polypeptide (p37)	4.9 (1953/401)	X13444	(7.2/5.2)		
Musculin (activated B-cell factor-1) Killer cell lectin-like receptor	4.1 (466/113)	AF060154			
Low affinity immunoglobulin Gamma FC receptor III-1 precursor	3.9 (1335/344)	J04162	(8.1/6.8)		
Filamin I (actin- binding protein-280)	3.8 (1085/287)	X53416	(2.1/1.9)		

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Table 1. Differentially expressed genes in LGL1 and LGL2. This data is based on Incyte Genomics and Affymetrix Chip FL 6800

Incyte Ge E (p1/p2) 3 (1300/344) 3.1 1251/3591) (4614/2177) (5424/2319)	GenBankID AJ001685 S69115 L05148 BE295817	Fold Change (LGL1/LGL2) (9.3/9.1) (2.9/2.6)	GenBank ID If different from Incyte Genomics
3.1 1251/3591) (4614/2177) (5424/2319)	S69115 L05148 BE295817		
1251/3591) (4614/2177) (5424/2319)	L05148 BE295817		
(5424/2319)	BE295817	(2.9/2.6)	
,			
(3587/1544)	AI271415		
(2264/953)	X00700		
(1019/494)	X54870	(7.3/9.4)	
(1036/494)	M93425	(1.6/1.0)	
1 (713/340)	L20859	(2.9/2.5)	
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 $\textbf{Table 1.} \ \, \text{Differentially expressed genes in LGL1 and LGL2.} \ \, \text{This data is based on Incyte Genomics and Affymetrix Chip FL 6800}$

	Incyte Ge	enomics	Affymetrix		
Gene Name	BDE (p1/p2)	GenBankID	Fold Change (LGL1/LGL2)	GenBank ID If different from Incyte Genomics	
Kinases and Phosphatases					
Dual specificity Phosphatase-1 (PAC-1)	4.2 (2484/585)	L11329	(1.6/1.2)		
Dual specificity Phosphatase-5	2.7 (857/320)	U10886	(1.1/1.6)		
Tyrosine protein tyrosine phosphatase	2.6 (713/272)	U15932	(1.2/2.3)		
Protein Kinase C etc	2.2 (2780/1239)	M55284			
Zeta Chain (TCR) associated protein kinase (70kd)	2.1 (4614/2177)	L05148	(2.9/2.6)		
Src Kinase- associated phosphoprotein of 55kd	2.1 (730/327)	Y11215	(3.3/2.4)		
Phosphatidyl inositol (4,5,bisphosphatase5-phosphatase homolog	2.1 (764/372)	638789			
Protein phosphatase 2. Regulated subunit B (B56)	2.0 (1071/526)	U37352	(6.8/5.8)		
Protein Phosphatase 1, (catalytic subunit, alpha isoform)	2.0 (1643/835)	J04759			

Table 1. Differentially expressed genes in LGL1 and LGL2. This data is based on Incyte Genomics and Affymetrix Chip FL 6800

	Incyte Ge		Affymetrix		
Gene Name	BDE (p1/p2)	GenBankID	Fold Change (LGL1/LGL2)	GenBank ID If different from Incyte Genomics	
Transcription Factors					
Runt related transcription factors 3	3.5 (2689/775)	D43968	(3.8/3.5)		
Miscellaneous					
EST.1	17.7 (346/189)	H06366			
EST.2	11.8 (2571/218)	AA482549			
EST.3	3.0 (544/182)	N47089			
Solute carrier protein	4.6 (785/172)	L14595	(1.4/1.6)		
Filamin A alpha	3.8 (1085/287)	X53416	(2.1/1.9)		
Hemoglobin delta	3.1 (2084/667)	V00505			
Hemoglobin beta	3.0 (4319/1419)	V00497			
KIAA 0668 protein	2.6 (3476/1254)	AB014568			
MHC, Class II DR beta 3	2.4 (2264/953)	X00700			
PLECKSTRIN	2.4 (2033/854)	X07743	(2.0/2.4)		
Isocitrate dehydrogenase 2 (NADP+) Mitochondrial	2.2 (2067/893)	X69433	(2.2/2.7)		
Putative translation initiation factor	2.0 (4003/2046)	L26247	(-1.3/-1.5)		

Table 1. Differentially expressed genes in LGL1 and LGL2. This data is based on Incyte Genomics and Affymetrix Chip FL 6800

	Incyte Ge			Affymetrix		
Gene Name	BDE (p1/p2)	GenBankID	Fold Change (LGL1/LGL2)	GenBank ID If different from Incyte Genomics		
Tubulin, Beta polypeptide	2.0 (2640/1349)	AW163523				
Ubiquitin B	1.9 (5668/3024)	BE250544				
Moesin	1.8 (5015/2750)	Z98946				
Nuclear factor of activated T cells, cytoplasmic	1.8 (2586/1440)	U85430	(1.8/2.9)			
Ubiquitin C	1.7 (3568/2071)	AA600188				
GTP binding protein, alpha 13	1.8 (2147/1195)	U87964	(-1.3/-1.5)			
Calritleulin Calriticulin Precursor	2.2 (3101/1384)	M84739	(2.0/2.2)			
KIAA0158 gene complete CDs	3.9 (2953/753)	063878				
Hemoglobin alpha I	3.2 (1074/333)	V00491				
T cell receptor gamma chain	3.1 (987/315)	M30894	(5.0/11.3)			
FYN Oncogene related to SRC FGR, YES	3.x (3405/313)	Z97989				
EB1 mRNA	2.4 (1075/442)	U24166	(-1.8/-2)			
PLECKSTRIN	2.4 (2033/854)	X07743				

Table 1. Differentially expressed genes in LGL1 and LGL2. This data is based on Incyte Genomics and Affymetrix Chip FL 6800

	Incyte Ge	nomics	Affyn	netrix
Gene Name	BDE (p1/p2)	GenBankID	Fold Change (LGL1/LGL2)	GenBank ID If different from Incyte Genomics
DNAJ protein Homolog	2.4 (237/1065)	D85429	(1.4/-1.7)	
MHC Class II HLA- DRW 10 beta	2.4 (2264/953)	D85429		
Lymphotoxin-beta receptor precursor	2.3 (3587/1544)	L04270		
Leucine Zipper Protein	2.3 (5424/2319)	50781 <u>Z50781</u>	(1.4/-2.7)	
Probable protein disulfide Isomerase ER-60 precursor	2.2 (3661/1641)	Z49835	(1.4/1.0)	
Troponin T, Fast skeletal muscle Isomerase beta	2.2 (1628/743)	M21984		
Transforming growth factor receptor III	3.7 (764/204)	L07594	(10.6/7.1)	
DEC1, complete cds	3.5 (1498/1429)	AB004066		
Granulocyte Colony- stimulating Factor induced gene	3.1 (11251/3591)	S65115	(9.3/9.1)	
Integrin, beta 2	2.7 (3718/1377)	M15395		
Clone 23912	2.6 (3476/1341)	AF038178		
Putative tumor suppressor Protein (RDA32)	2.5 (1145/453)	AF061836		

Table 1. Differentially expressed genes in LGL1 and LGL2. This data is based on Incyte Genomics and Affymetrix Chip FL 6800

	Incyte Ge	enomics	Affymetrix		
Gene Name	BDE (p1/p2)	GenBankID	Fold Change (LGL1/LGL2)	GenBank ID If different from Incyte Genomics	
Down regulated genes					
Homo sapiens Indian hedgehog protein (IHH)	-18.6 (477/7779)	L38517	(-1.6/-1.1)		
CD20 Receptor	-16.2 (229/3703)	X07203	(1.1/-1.9)		
Human germline IgD chain gene, C-region	-11.0 (210/2313)	K02882	(-9.5/-7.5)		
Human transporter Protein (g17)	-10.4 (300/3124)	U49082	(-2/-1)		
Ribosomal protein S26	-6.2 (321/1853)	X69654	(-3.1/1.1)		
EST	-3.4 (429/1371)	R85437			
CD 72 antigen	-3.3 (353/1165)	M54992	(1.3/1.7)		
EST	-2.5 (629/1583)	AA916867			
Endothelial differentiation protein (Edg-1)	-2.5 (447/1033)	M31210	(-2.6/-5.2)		
Diacylglycerol kinase, alpha (80kD)	-2.5 (883/2172)	X62535	(-1.4/-2.3)		
60S Ribosomal protein L41	-2.3 (5372/2339)	Z12962	(-1.2/-1.2)		

Table 1. Differentially expressed genes in LGL1 and LGL2. This data is based on Incyte Genomics and Affymetrix Chip FL 6800

	Incyte Ge	Incyte Genomics		netrix
Gene Name	BDE (p1/p2)	GenBankID	Fold Change (LGL1/LGL2)	GenBank ID If different from Incyte Genomics
EST	-2.3 (708/1616)	AA134589		

Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+
		(Fold in		ompared to N BMC)	ormal
perforin	32904_at	72.8	39.5	45.4	8.5
serine protease	40078_at	55.7	48.7	38.7	3.0
mast cell function-associated antigen homolog (MAFA)	34975_at	66.2 55.2	45.4	61.1	16.2
NK-receptor (NK-p46)	34039_at	53.6	45.2	50.6	7.8
gb=W28589	40913_at	47.7	41.2	44.2	23.9
suppressor related (DOC-1R)	35151_at	45.3	40.1	27.0	42.8
ribosomal protein S6 kinase 1 (RPS6KA1)	1127_at	42.4	40.0	50.6	2.2
butyrophillin (BT3.3)	38759_at	37.8	33.3	52.9	17.8
CD94	33531_at	35.2	34.2	17.9	7.3
MEGF9	36488_at	34.1	44.8 44.6	33.4	10.3
chronic granulomatous disease protein	40159_r_at	33.7	83.5	63.5	8.8
gamma2-adaptin (G2AD)	38799_at	30.3	29.2	27.5	40.5
calcineurin A2	39780_at	29.0	17.4	15.2	19.0
beta adaptin	35181 <u>36161</u> at	26.4 2 <u>8.4</u>	21.1	11.5	26.7
G protein-coupled receptor V28	40646_at	27.4	40.3	25.1	5.1
thrombin receptor	41700_at	22.5	8.3	14.2	4.8
GTPase-activating protein	36846 36843 at	22.1	9.1	19.5	12.2
SH3 domain containing adaptor protein (SCAP(SCAP)	34432_at	21.9	10.4	22.8	10.3

39421_at

AML1c

21.521.8

17.2

31.7

10.6

Table 2. Genes upregulated	T			T. 07- 0-	
Gene Name	Accession No.		LGL2	LGL3/RA	CD8+
			PE	ompared to N BMC)	
KIAA0664 protein	34259_at	21.7	38.4	27.0	18.0
gb=AA978353	41126_at	21.4	8.8	13.9	1.4
MetkMatk=megakaryocyte- associated tyrosine kinase	36264_at	20.7	17.1	13.1	1.4
vascular smoth <u>smooth</u> muscle alpha-actin	32755_at	20.1	27.8	22.0	3.8
lysyl hydroxylase (PLOD)	36184_at	19.8	18.0	9.8	1.1
candidate tumor suppressor gene 21 protein isoform 4 <u>I</u>	40497_at	19.7	16.1	26.6	13.1
beta2-syntrophin (SNT B2)	40589_at	19.2	22.3	22.1	13.1
hexokinase III (HK3)	38372 <u>36372</u> at	18.8	39.6	4.1	6.7
telomeric repeat DNA- binding protein (PIN2)	1329_s_at	17.3	12.9	14.3	13.8
cytotoxic T-lymphocyte- associated serine esterase 1 (CTLA1)	32370_at	17.3	12.1	9.8	1.6
T cell specific cell-specific protein (RANTES)	1404_r_at	17	10.2	18.3	4.5
CMRF-35-H9	41059_at	16.8	21.0	15.6	5.7
human-Human immune interferon (IFN-gamma)	1021_at	16.7	21.7	18.8	-2.1
placenta (Diff48)	. 32978_g_at	16.5	14.4	6.9	23.7
medium-chain acyl-CoA dehydrogenase (MCAD)	37532_at	16.4	15.1	18.6	28.3
mRNA for ¥3K1¥SK1	40104_at	16.3	12.5	13.2	19.1
m3A-m6A methyltransferase (MT-A70)	32245_at	16.2	16.4	19.8	27.4
CD3G gene, exon 1	3922839226_ at	16.2	6	5.3	3.4
PUTATUVE PUTATIVE novel protein similar to many (archeearchae)bacterial, worm and yeasy yeast hypothetical proteins	41249_at	15.6 <u>15.8</u>	27.6	27.5	8.2

Table 2.	2. Genes upregulated in LGL1, LGL2 and LGL3/RA (Affy	metrix U 95)
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Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+	
		(Fold increase compared to Normal PBMC)				
gb=A1004207AI004207	36732_at	15.8	25.1	17.6	22.2	
microsomal glutathlone glutatilone S-transferase (3- MGST3)3-(MGST3)	39018_at	15.6	21.8	16.9	28.4	
similar to moise mouse Choline/Ethanotamine Ethanolamine Kinase (O55229)	32033_at	15.6	14.4	13.5 <u>13.6</u>	25.3	
25S-26S proteasome subunit p40.5	32211_at	15.3	15.2	11.7	12.7	
FoFc-gamma RIII-1	31499 <u>at s at</u>	15	5.8	5.4	-4.1	
gb=AF070644	38852 <u>38652</u> at	14.6	16.6	14.4	8.4	
gb=U79260	37242_at	14.5	15.9	11.5	17.5	
Ste=20 related kinase SPAK	40986_at	14.5	10.9	18.2	8.2	
guanine Guanine Nucleotide- Binding Protein Rap2	1819_at	14.5	5.8	6.5	4.1	
SCA1 mRNA for ataxin	38142 <u>36142</u> at	14.2	13.2	16.9	7.7	
butyrophillin butyrophilin (BTF4)	38760 <u>-at_f_at</u>	14.2	13.3	18.7	7.1	
HBV associate associated factor (XAP4)	32202_at	14.0	16.2	10.9	12.5	
leukocystatin	34955 <u>34965</u> at	13.9	8.2	12.1	2.6	
vav oncogene	1919_at	13.9	15.6	19.2	3.5	
beta-2-adrenergic receptor	610_at	13.9	9.1	15.9	3.6	
DNA from chromosome 19p13.2 eoamide cosmids R31240, R30272 and R26549 R28549 eomtaining containing the EKLF, GCDH, CRTC, and RAD23A genes	1751_g_at	13.9	17.2	10.9	23.2	

Table 2. Genes upregulated in LGL1, LGL2 and LGL3/RA (Affymetrix U 95)

Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+
		(Fold increase compared to Normal PBMC)			
DNA sequence from PAC 56H14-66H14 on chromosome 6q21-22. Contains FYN (P59-FYN, SYN, SLK) gene coding for two isoforms	40479_at	13.4	11.0	16.4	13.5
transcription factor LSF	40084_at	13.3	12.3	11.3	11.7
rap2	41318_g_at	13.2	3.3	5.9	2.8
activation (Act-2)	36674_at	12.8	7.1	12	-1.1
pM5	33414_at	12.8	10.2	8.8	8.2
CGAAT-CCAAT transcription binding factor subunit gamma	40488 <u>40466</u> at	12.8	18.3	18.7 <u>16.7</u>	14.6
CD4-related protein involved in lymphoma-lymphocyte activation	36776_at	12.8	23.0	27.0	5.0
SYT Interacting interacting protein SIP	41460_at	12.7	10.7	10.3	15.7
MHC class I	34934_at	12.6	13.9	18.2	21.2
DNA dependent ATPase and helicase (ATRX)	818_s_at	12.6	7.4	13.3	10.0
brutone-Brutons tyrosine kinase (BTK), alpha-D- gelactosidase-galactosidase A (GLA), L44-like ribosomal protein (L44L) and FTP3 (FTP3)	36833_at	12.6	6.8	4	3.9
Natural natural killer cell BY55	33112_at	12.6	15.9	10	-2.2
leukocyte IgG receptor (Fc-gamma-R)	37200_at	12.5	9.8	9.7	-2
KIAA0080 gene	36144_at	12.4	14.3	11.8	3.0
tax1-binding protein TXBP181	499_at	12.4	11.1	17.0	6.6
gb =A1652860 <u>AI652660</u>	41590_at	12.3	6.3	9.7	11.3

Table 2. Genes upregulated in LGL1, LGL2 and LGL3/RA (Affymetrix U 95)

Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+	
		(Fold increase compared to Normal PBMC)				
C-terminal binding protein 2	40780_at	12.1	5.5 <u>1</u> 0.7	5.5	1.1	
NuMA	33822_at	11.9	19.8 11.3	9.8 19.8	25.0	
	160043_at	11.9	13.1 6.7	3.1	4.2	
lymphoma proprotein convertase (LPC)	34361_at	11.7	11.7 11.4	11.7	11.7 <u>11</u> .1	
RGP3	37637_at	11.4	9.9 <u>1</u> 2	9.9	3	
gb=W26655	39045_at	11.3	11.7 5.6	11.7	6.2	
KIAA0064-KIAA0226 gene	31802_at	11.3	3.8 <u>1</u> 2.4	3.8	17	
KIAA0064 gene	37654_at	11.2	11.3 15.8	11.3	9.9	
G9a	36200_at	11.1	11.0 <u>9.1</u>	11.0	6.7	
Human transforming growth factor-beta type III receptor (TGF-beta)	1897_at	11.1	9 7.6	9	4.3	
guanylate binding protein isoform 1–I_(GBP-2)	35735_at	11.1	29.5 23.8	29.5	6	
KIAA0199 gene	37656_at	11.0	14.6 10.4	14.6	15.0	
gb=AA194159	41282 <u>-a_at_s</u> _at	10.9	10.7 11.3	10.7	17.7	

Table 2. Genes upregulated in LGL1, LGL2 and LGL3/RA (Affymetrix U 95)

		1				
Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+	
		(Fold increase compared to Normal PBMC)				
carnitine palmitoyltransferase	25026	10.0	11.8	11.0		
+ <u>I</u> type II	35936_g_at	10.9	9.1	11.8	8.8	
carnitine palmitoyltransferase	25229 at	10.0	14.3	14.2	7.0	
I type I	35228_at	10.8	11.1	14.3	7.9	
Daxx	<u>4115141161</u>	10.8	15.4	15.4	12.7	
	at	10.8	10.7	15.4	13.7	
	20042 -4	10.7	10.4	10.4	0.4	
B-ATF	39942_at	10.7	<u>12</u>	10.4	2.4	
	27616	10.7	16.0	16.0	40.5	
AUH	37616_at	10.7	<u>8.6</u>		10.5	
	37271_at	10.7	8.6 6.	8.6	111	
(TAF1170 TAFII70-alpha)			9		11.1	
	37137_at	10.6	6.2 5.		1.0	
serine protease-like protein			8	6.2	1.2	
T-cell receptor T1-Ti	41468 at	10.6	19	25.1	9.7	
rearranged gamma-chain mRNA V-J-C region	11100_ut	10.0		23.1	9.1	
PEST phosphatase	34914_at	10.6	8.1	8.3	8.2	
interacting protein homolog (H-PIP)	54714_at	10.0	6.1	6.5	0.2	
KIAA0808 protein	33316_at	10.3	4.8	5.6	1.5	
Nuclear nuclear protein, NP220	32674_at	10.3	7.5	12.1	15.3	
beta- galatoside -galactoside alpha-2,6-slalyltransferase	41352_at	10.2	8.9	6.1	13.8	
HREV107-like protein	35704_at	10	8.9	5.4	-1.6	
adenylyl eyelease-cyclase type IX	33800_at	9.9	8.4	8.1	4.3	
guanine nucleotide exchange factor mss4	38264_at	9.9	9.3	11.4	12.9	
fibrinogen-like protein (pT49 protein)	39591_s_at	9.9	14	12.1	-3.1	

Table 2. Ge	enes upregulated in LGL1,	$LGL2 \ and \ LGL3/RA$	(Affymetrix U 95)
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Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+	
	11000351011110.	(Fold increase compared to Norm				
		PBMC)			·OIIII	
XAP-5	36599 38599_	9.8	9.5	12.2	10.1	
AAI "J	s_at	7.0).5	12.2	10.1	
DNA from chromosome 19p13.2 cosmids R31240, R30272 and R23549 R28549 containing the EKLF, GCDH, CRTC, and RAD23A genes	1750_at	9.7	10.4	12.0	14.8	
guanine nucleotide exchange	3328 0 <u>33260</u>	9.6	6.9	6.2	4.7	
factor	at	7.0	0.5	0.2	4.7	
DEAD-box protein p72 (P72)	41260_at	9.4	14.0	87.2	23.5	
calcium/calmodulin- dependent protein kinase II	32105_f_at	9.4	7.3	10.3	7.2	
IFN-gamma	40702_at	9.3	11.7	9.4	-2.8	
IL-17	36229_at	9.3	19.1	4.6	25.5	
KIAA0122 gene	40070_at	9.3	4.1	10.4	5	
NKG2D gene, exons 2-5	36777_at	9.3	8.7	8	12.6	
alanyl-tRNA synthetase	36185_at	9.2	12.1	15.8	25.5	
gb=AL080203	40451_at	9.1	13.2	10.2	11.5	
gb=AA524058	34359_at	9	6.1	4.6	7.6	
P-glycoprotein (PGY1)	1576_g_at	9.0	8.6	18.1	14.9	
bcl-xL	34742_at	8.9	6.6	3.4	7.3	
putative dianoyldienoyl-CoA isomerase (ECH1) gene	32756_at	8.9	12	11.8	10.9	
KIAA0245 KIAA0248 gene	40123_at	8.9	5.4	4.8	4.3	
gb=AF070533	41744_at	8.8	7.8	7.7	8.7	
alpha-2,3-slayltransferase sialyltransferase (SIAT4A)	40290_f_at	8.8	7.7	10.2	10.2	
ADP-ribosylation factor	36193_at	8.8	9/1 <u>9.</u> 1	9.1	11.7	

Table 2. Genes upro	egulated in LGL1, LGL2	and LGL	3/RA (Af	fymetrix U 95	6)
Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	(
		(Fold	ingrance	ompared to N	Or

Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+	
		(Fold increase compared to Normal PBMC)				
gb=AI540958	34891_at	8.8	12.6	10.1	8.4	
oligo A synthetase E	38388_at	8.8	7.8	16.8	1.2	
gb=AA631972	39119_s_at	8.7	9.8	7.1	4.5	
pyruvate dehydrogenase (EC 1.2.4.1) beta subunit	39160_at	8.7	4	6.2	6.2	
gb= <u>A1432401</u> <u>AI432401</u>	39593_at	8.7	19.2 19.3	20.2	-6.9	
gb=U51712	39698_at	8.6	9.6	3.3	3.9	
glucocarebrosidase glucocerebrosidase (GCB)	32632_g_at	8.6	10.3	8.3	7.5	
T cell-specific protein (RANTES)	1405_1_at	8.6	8.1	9.4	4.9	
aminoacytaseaminoacylase-1 (ACY1)	37713_at	8.6	9.0	5.6	9.7	
multidrug resistance protein 5 (MRP5)	1933_g_at	8.4	9.4	5.4	3.4	
gb=AL050259	40521_at	8.2	7.3	10.7	7.5	
carboxyl methyltransferase	37736_at	8.2	9.6	6.4	10.1	
gb=AA176780	40485_at	8.2	15.9	10.2	21.7	
KIAA0955 protein	41100_at	8.2	8.1	11.1	10.8	
gb=AL079277	41710_at	8.1	7.7	3.1	-1.7	
KIAA0129 gene	33253_at	8.1	11.1	7.4	10.6	
gb=AA16987AA156987	39162_at	8.0	11.1	7.3	14.8	
testletestis-specific cAMP- dependent protein kinase catalytic subunit (C-beta isoform)	36215_at	7.9	5.1	5.9	7.3	
K1AA0898 KIAA0898 protein	33107_at	7.8	4.5	7.9	6.1 <u>8.1</u>	
tactile protein	34961_at	7.8	8.5	5.4	28.1	
3-alkyladenine DNA glycosylase (HAAG)	37768_at	7.8	6.3	8.7	9.8	

Table 2.	Genes upregulated in	LGL1, LGL2 and LGL	.3/RA (Affymetrix U 95)
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Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+	
		(Fold increase compared to Normal PBMC)				
helicase-like protein (HLP)	37998_at	7.8	9.0	9.2	11.8	
17-beta-hydroxysteroid dehyhydrogenasedehydrogen ase	36626_at	7.8	8.8	38.2	7.9	
gb=AF035282	41679_at	7.7	6.7 <u>5.</u> 7	6.8	3.8	
beta2-chimaerin	33244_at	7.6	7.2	4.6	-1.5	
Butyrophillin-butyrophilin (BTF3)	38241_at	7.6	6.2	8.8	4.2	
Protein-protein kinase C-theta (PRKCT)	38949_at	7.6	6.1 <u>5.</u> 1	8.8	7.5	
homolog of yeast mutL (hPMS1) gene	525_g_at	7.5	8.9 <u>6.</u> 9	9.0	9.1	
heat shock protein (hsp 70)	1104_s_at	7.5	19.3	13.1	8.4	
receptor protein 4-1BB	31540_at	7.5	7.4	6.7 8.7	-1.2	
fibrinogen-like protein (pT49 protein)	39592 <u>-at_r_at</u>	7.4	8.4	7.0	-1.6	
RLIP76	36626_at	7.4	8.2	8.6	11.6	
copper chaperone for auperoxide superoxide dismutase (CCS)	38088 <u>36068</u> at	7.3	7.8	10.5	9.3	
TAR RNA binding protein 2 (TRBP2)	35657_at	7.3	7.3	5.5	7.3	
N-myristoyltranferaseN- myristoyltransferase 1	39000_at	7.3	10.0	10.0	13.8	
gb=AA126515	41172_at	7.3	5.4	8.8	8.9	
gb=W27519	32326_at	7.3	65	6.9	9.1	
synaptogyrin 3	40314_at	7.2	7.4	9.7	3.4	
gb=A1852521AI862521	39743_at	7.2	4.7	4.7	5.5	
Human replication protein A	1382_at	7.2	4.0	4.8	6.9	

Table 2. Genes upregulated in LGL1, LGL2 and LGL3/RA (Affymetrix U 95)

Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+	
		(Fold increase compared to Normal PBMC)				
puromycin sensitive aminopeptidase	39431_at	7.2	5.2	15.4	9.9	
gb=A1014538AI014538	38623_at	7.2	7.9	7.2	9.9	
gb=AF055004	34831_at	7.2	8.5 <u>6.</u> 5	6.9	3.6	
Endothelial Cell Growth Factor 1	1665_s_at	7.2	28.7	32.9	-11.3	
gb=AL040137	41807_at	7.2	7.3	8.7	4.1	
gb=AF007155	40472_at	7.1	6.6	6.9	6.7	
lymphoid phosphatase LyP1	38808 <u>36808</u> at	7.1	3.1	5.6	2.7	
Hanukah factor serine protease (HuHF)	40757_at	7.1	6.1	4.6	1.3	
TM7XN1	35789_at	7.1	5	5.4	1.1	
gb=AB011133	33223_at	7	6.1	4.9	2	
cyclin-dependent kinase 4 (CDK4)	1942_s_at	7.0	7.5	5.4	10.2	
WD repeat protein HAN11	38171_at	7.0	4.0	3.5	2.7	
T cell-specific protein (RANTES)	1403_s_at	7	5.7	6.8	3.4	
KIAA0067 gene	34158 <u>34189</u> at	7.0	7.0 <u>7.</u> 9	11.8	10.4	
gb=AI670100	34724_at	7.0	7.9	6.5	5.2	
BRCA1, Rho7 and vatl genes, complete cds, and lpl35-ipf35 gene	626_s_at	6.9	13.4	8.2	1.9	
gb=H68340	41446_f_at	6.9	7.2	13	3.3	
RasGAP-related protein (IQGAP2)	37278 <u>37276</u> at	6.9	4	8.1	2.7	
RBP2-retinoblastoma binding protein 2	36999_at	6.9	8.5	13.3	15.9	

Table 2.	Genes upregulated in LGL1,	LGL2 and LGL3/RA	(Affymetrix U 95)

Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+	
Concination	110005510111101	(Fold increase compared to Normal				
				BMC)		
KIAA0102 gene	37359_at	6.8	5.8	3.7	4.8	
gb=AL050060	35840_at	6.8	17	5.9	4.5	
Clk2clk2	646_s_at	6.8	9.5	11.5	13.8	
gb=AL048308	32768_at	6.7	5.3	7.1	5.2	
gb=AA877795	33854_at	6.7	7.3	9.2	5.7	
KIAA1062 protein	38313_at	6.7	3.1	3.5	1.1	
a-glucosidase 1 <u>I</u>	38464_at	6.7	6	6.9	9.9	
retinoblastoma	40418_at	6.7	6.8	5.1	5.2	
gb=AF026402	40485 <u>40465</u> at	6.7	8.2	8.9	8.3	
metase (MET-1)	32264_at	6.7	4.4	3.1	1.2	
axin (AXIN)	33319_at	6.6	6.3	4	4.2	
adenylate kinase (AK1)	35997 <u>36997</u> at	6.6	4.8	10.9	5.7	
cbl-b	514_at	6.6	5.4	11.4	13.6	
T-cell differentiation antigen Leu-2/T8	4059940699_ at	6.6	5.6	4.8	4.1	
gb= W26892 <u>W28892</u>	33850_at	6.5	7.8	6.5	8.9	
mBA-m6A methyltransferase (MT-A70)	32246_g_at	6.5	6.7	8.5	13	
1,4-alpha-glucan branching enzyme (HGBE)	32643_at	6.5	6.1	7.1	9.3	
DP prostanoid receptor (PTGDR)	31782_at	6.4	6.7	3.6	4.3	
interleukin 2 receptor gamma chain	1506_at	6.4	4.2	4.1	4.1	
translational inhibitor protein	32173_at	6.4	5.5	4.5	4.9	
gb=AI800578	34728_g_at	6.4	7.7	9.2	8.1	

Table 2. Genes upregulated in LGL1, LGL2 and LGL3/RA (Affymetrix U 95)

Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+
		(Fold increase compared to Norm PBMC)			
tudor repear repeat asseiator associator with PCTAIRE 2	40852_at	6.4	7.0	7.7	6.8
gb=AL080111	34752_at	6.3	3.9	7.9	7.4
granulocyte colony- stimulating factor induced gene	37121_at	6.3	4.9	4.7	1.1
carboxyl terminal LIM domain protein (CLIM1)	38937 <u>36937</u> s_at	6.3	6.1	4.4	-1.6
gb=AF091084	35329_at	6.3	9.1	6.9	11.4
gb=AL041683AL041663	32662_at	6.3	4.7	4.3	5.2
gb=AA160055AAI60056	40937_at	6.3	4.8	5.0	12.5
NK receptor (NKp45)(NKp46), isoform d	34040_s_at	6.3	6.3	7.4	3.6
serine/threonine protein kinase EMK	965_at	6.3	6.9	6.1	8.7
small GTP-binding protein	40889 <u>40669</u> at	6.3	5.1	5.4	2.3
gb=AA576724	41648 <u>41646</u> at	6.3	5.8	6.4	5.6
RING zinc finger protein (RZF)	35811_at	6.3	6	8.5	4.7
KIAA0010 gene	32044_at	6.2	7.1	6.3	7.2
TBP-associated factor (hTAFII130)	142_at	6.2	5.7	5.8	6.8
gb=AW024285	41177_at	6.2	6.3	3.7	2.6
gb=D50920	34289_f_at	6.2	6.2	4.4	7.6
GARS-AIRS-GART	38384_at	6.2	7.3	8.6	7.5
SCA2	36998_s_at	6.2	6	7.4	9.5
sigma 3B	32030_at	6.1	4.6	6.7	1.5
KIAA0386 gene	37112_at	6.1	6.3	4.1	18.1

Table 2.	Genes upregulated in LGL1, LGL2 and LGL3/RA (Affymetrix U 95)

Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+	
		(Fold increase compared to Norma PBMC)				
nucleolar protein hNop56	34882_at	6.1	5.5	4.2	11.4	
RP105	40715_at	6.0	10.1	6.0	5.2	
gb=W28167	34404_at	6.0	6.3	5.4	7.9	
MAP_idnase_kinase_kinase 4 (MKK4)	36910_at	6.0	4.4	7.4	7.5	
elF4GIIeIF4GII	33907_at	5.9	5.9	7.5	2.6	
WWp2-like mRNA	33629_at	5.9	6.1	5.3	2.9	
G6PD gene for glucose-56- phosphate dehydrogenase	38043_at	5.9	3.5	4.8	9.0	
LTG19	32400_at	5.9	6.2	6.3	5.4	
KIAA0796 protein	38113_at	5.9	4.2	5.3	3.2	
interleukin 2 receptor beta chain (p70-75)	1365_at	5.9	<u>65</u>	4.8	1.1	
KIAA0060 gene	34332_at	5.8	7.8	7.9	14.5	
low density lipoprotein receptor gene	32855_at	5.8	10.1	5.2	28.0	
Huntington's Huntingtons Disease (HD)	37767_at	5.8	4.7	4.7	3.8	
monocarboxylate transporter 2 (hMCT2)	35547_at	5.8	5.1	6	14.1	
DNA from chromosome 19p13.2 cosmids R31240, R30272 and R28549 containing containing the ELKFEKLF, GCDH, CRTC, and RAD23A genes	1753 <u>-a_at_s</u> <u>at</u>	5.8	3.1	8.3	4.6	
KIAA0053 gene	38149_at	5.8	5.2	9	5	
Gb=AI143868	34816_at	5.8	4.6	5.1	7.7	
serine phosphatase FCP1a (FCP1)	35979_at	5.8	6.2	5.4	5.2	
similar to cytoplasmic dynain dynein light chain 1	31655_at	5.7	7.7	6.0 <u>6.9</u>	3.2	
KIAA1064 protein	36880 36860 at	5.7	5.2	3.1	5.9	

Table 2. Genes upregulated in LGL1, LGL2 and LGL3/RA (Affymetrix U 95)

Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+
		(Fold increase compared to Norm PBMC)			Vormal
transactivator protein (CREB)	37535_at	5.7	5.8	8.6	10.2
Human immune interferon (IFN-gamma)	1611_s_at	5.7	5.3	4.5	-1
gb=AF052135	39391_at	5.7	8	7.6	9.6 9.7
ase, erythrocyte (CT) isoenzyme	33334_at	5.6	4.9	5.5	7.5
hRIF hRIf beta subunit (p102 protein)	33252_at	5.6	6.0	4.2	5.2
ABC transporter MOAT-C (MOAT-C)	41428_at	5.6	6.9	8.3	9.1
ras GTPase-activating-like protein (IQGAP1)	1825_at	5.6	6.2	6.1	4.2
protein tyrosine phosphatase (PTPase-alpha)	1496_at	5.6	3.8	5.2	3
retinoblastoma susceptibility	2044_s_at	5.6	4.4	5.6 <u>5.5</u>	2.3
KIAA0877 protein	39021_at	5.6	5.3	4.5	4.5
translocation T(4:11) of ALL-1 gene to chromosome 4	1124_at	5.5	4	7.6	6.4
osteoclast stimulating factor mRNA	467_at	5.5	4.9	4.4	4.1
kinesin-like DNA binding protein	356_at	5.5	5.1	9.2	6.5
IkB-IkB kinase beta subunit	35960_at	5.5	4.1	5.4	9.3 3.9
gb=AW044624	41551_at	5.4	5	6.6	4.6
gb=AA127624	33865_at	5.4	3.8	4.6	6.5
RNA binding protein DEF-3	40869_at	5.4	6.0	6.8	6.7
Protein protein phosphatase 2A B alpha1 regulatory subunit	178 176_at	5.4	4.4	7.8	8.1 <u>6.1</u>
integrin_ntegrin_beta-7 subunit	2019_s_at	5.4	5.9	3.8	5.3
cdc25+ homolog	1347_at	5.4	4.7	3.8	10.3

Table 2. Genes upregulated in LGL1, LGL2 and LGL3/RA (Affymetrix U 95)						
Gene Name	Accession No.	LGL1 LGL2 LGL3/RA CD8+				
		(Fold i		ompared to NBMC)	lormal	
	38217 36217	5.2	4.2	2.7	7.0	
Ndr protein kinase	at	5.3	4.3	7.7	7.2	
KIAA0625 protein	40083_at	5.3	6.6	7.9	8	
	38002 36002		_	,		
KIAA1012 protein	at	5.3	6.5	8	8.3	
protein phosphatase 2A	4 0788 40786_	<i>5</i> 2	12	7.0	(2	
Balphal regulatory subunit	at	5.3	4.2	7.2	6.3	
WD40 protein BING4	33250_at	5.3	4.0	3.4	5.5	
serine kinase SRPK2	1213_at	5.3	3.3	7.7	2.2	
interferon regulatory factor 3	371_at	5.3	4.3	5.7	5.9	
nuclear localization signal containing protein deleted in Velo-Cardio-Facial syndrome (Nivef)(NIvcf)	32745_at	5.2	4.9	4.4	4.4	
gb=D45288	35310_at	5.2	3.2	3.3	2.1	
gb= <u>AI695103</u> AI698103	35993_s_at	5.2	7.4	6.3	8.6	
gb=X95808	41046_s_at	5.2	5.7	8.3	11.3	
endo/exonuclease Mre11 (MRE11A)	32870_g_at	5.2	4.3	6.9 5.9	6.3	
beige protein hornolog homolog (chs)	35695_at	5.2	5	7.6	2.9	
gb=AL049703	32212_at	5.1	5.2	4.0	6.4	
leuoocyte leucocyte vacuolar protein sorting	35779_at	5.1	8.4	6.3	6	
programmed cell death- 2/Rp8 homolog	855_at	5.1	7.3	4.3	7.8	
malate dehydrogenase precursor (MDH) mRNA, nuclear gene encoding mitochondrial protein	39001_at	5.0	4.5	4.6	5.2	
gb=AL049955	34347_at	5	3.3	5.5	7	
						

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Table 2. Genes upregulated	l in LGL1, LGL2	and LGL3	/RA (Af	fymetrix U 95	5)
Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8
		(Fold increase compared to Norma PBMC)			
gb=U37012	33132_at	5	16.8	3.4	7.2
gb=D82351	31671_at	5	3.9	4.2	3.2
uracil-DNA glycosylase	37688 <u>37686</u> s_at	5.0	3.5	5.9	5.5
KIAA0011 gene	36932_at	5.0	4.5	5.8	7.8
YL-1 protein (nuclear protein with DNA-binding ability)	33873_at	5	4.2	6.7	7.1
tRNA synthetase-like protein	34291_at	5	7	6	8.2

Gene Name	Accession No.	LGL1		LGL3/RA	CD8+
		(Fold i	Tormal		
gb=U37012	33132_at	5	16.8	3.4	7.2
gb=D82351	31671_at	5	3.9	4.2	3.2
uracil-DNA glycosylase	37688 <u>37686</u> s_at	5.0	3.5	5.9	5.5
KIAA0011 gene	36932_at	5.0	4.5	5.8	7.8
YL-1 protein (nuclear protein with DNA-binding ability)	33873_at	5	4.2	6.7	7.1
tRNA synthetase-like protein	34291_at	5	7	6	8.2
protein kinase C-binding protein RACK7	842_at	5.0	4.9	3.8	4.6
KIAA0312 gene	34372_at	5.0	3.7	6.7	4.7
SF2p33	36099_at	4.9	4.6	3.7	5.0
gb=AB014597	39380_at	4.9	3.5	3.7	4.3
gb=R59697	35140_at	4.9	4.1	4.6	6.4
gb=U36501	37354_at	4.9	5.2	3.4	5.4
ZBP-59 protein	41465_at	4.9	3.6	5.2	5.1
ribulose-5-phosphate- epimerase	37797_at	4.9	4.0	7.2	9.2
C2f	39397 39357_ at	4.9	5.1	4.9	6.6
GT335	41749_at	4.9	5	5.9	4.3
Human poly(ADP-ribose) synthetase	1287_at	4.9	6	4.4	7.5
KIAA0132 gene	35322_at	4.9	5.3 <u>6.</u> 3	9.3	6.2
gb=AF052162	41176_at	4.8	4.4	3.4	1.7
class 1-1 histocompatibility antigen-like protein mRNA	34427 <u>at g a</u> <u>t</u>	4.8	3.1	4.0	4.0

Table 2. Genes upregulated in LGL1, LGL2 and LGL3/RA (Affymetrix U 95)

Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+
		(Fold increase compared to Norma PBMC)			
gb=AF060862	40352_at	4.8	3.9	3.3	2.6
G4 protein (G4 gene, located in the class III region of the major hostocompatibility histocompatibility complex	41053_at	4.8	6.1	4.7	8.2
putative mitochondrial outer membrane protein import receptor (hTOM)	34345_at	4.8	6.4	4.4	7.2
nitriliase nitrilase 1 (NIT1)	39735_at	4.8	3.8	7.5 <u>7.6</u>	7.1
gb=L13435	160024_at	4.8	5.7	3.1	6.7
gb=L13435	33126_at	4.8	4.1	6.5	5.8 <u>5.6</u>
Smg GDS-associated protein SMAP	40779_at	4.8	3.9	4.4	6.3
KIAA0854 protein	41503_at	4.7	3.4	4.3	4.2
gb=AA173896	34340_at	4.7	9.3	6.5	8
gb=AA975427	31738 <u>31736</u> at	4.7	4.1	4.1	4
gb=W27939	3865838656_ s_at	4.7	3.6	3.9	4.3
Human translational initiation factor (eIF-2)	1154_at	4.7	5.3	4	2.9
NADP-dependent isocitrate dehydrogenase (IDH)	39023_at	4.7	8.9	12.6	5.8
hterochromatin heterochromatin protein p25	37304_at	4.7	4.6	5.7	5.7
mNA-mRNA for small GTP- binding protein	37466_at	4.7	6.4	5.7 <u>5.4</u>	6.3
methyl-CpG-binding protein	34355_at	4.7	4.4	4.6	5.8 <u>5.6</u>
mRNA for imogen	40072_at	4.6	4.2	4.9	6.6
transcription factor NFATx4	40823_s_at	4.6	4.5	3.1	3.9
nexin 1 (SNX1)	36583_at	4.6	8.5	12.3	9.8

Table 2. Genes upregulated	d in LGL1, LGL2	and LGL3	3/RA (Af	fymetrix U 9	5)
Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+
		(Fold i		ompared to N BMC)	Vormal
gb=U79282	3206932059_ at	4.6	4.0	5.2	4.2
gb=A1760162AI760162	41058_g_at	4.6	7.3	6.0	8.6
gb=AA224832	39120_at	4.6	5.7	9.3	9.4
KIAA0648 protein	34353_at	4.6	3.1	5.1	6.4
gb=AB007889	37383 <u>37363</u> at	4.6	4	5.5	1.3
homolog of yeast mutL (hPM31)(hPMS1)	41481 <u>41461</u> at	4.6	3.6	4.5	5.5
UDP-glucose dehydrogenase (UGDH)	35214_at	4.6	3.9	4	6.4
KIAA0560 protein	41712_at	4.5	4.2	5.3	6.8
gb=AL060390AL050390	31852_at	4.5	3.8	3.7	3.6
similar to Drosophilia <u>Drosophila</u> ash2	35804_at	4.5	5.8	8.5 6.5	5.7
gb= <u>A1928387</u> <u>AI928387</u>	33225_at	4.5	4.5	4.8 <u>4.6</u>	5.4
SCM-1beta precursor	31498 <u>31496</u> g_at	4.5	25.9	8.2	5.7
putative glucosyltransferase	32051_at	4.5	4.6	3	5.7
retinoic acid receptor responder 3 (RARRES3)	33236_at	4.5	4.2	4.6	1.6
KIAA0350 gene	34661_at	4.5	5.4	3	5.1
CACCC box-binding protein	41466_s_at	4.5	3.1	4.3	3.9
mutator gene (hMSH2)	860_at	4.5	5.0	3.8	13.1
tyrosylprotein sulfotransferase-2	35172_at	4.5	5	4.2	3
DNA polymerase gamma	1014_at	4.4	3.5	4.6	4
DORA protein	34946_at	4.4	14.8	13.2	-3.0

Table 2. Genes upregulated in LGL1, LGL2 and LGL3/RA (Affymetrix U 95)

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Gene Name	Accession No.	LGL1	LGL1 LGL2 LGL3/RA C (Fold increase compared to Norm				
		(r old r	NOIIIIai				
gb= <u>A1246728AI246726</u>	37046_at	4.4	4.3	3.8	5.9		
galactokinase (GK2)	37825_at	4.4	3.7	4.7	3.4		
gb=AW051579	33191_at	4.4	4.2	3.6	4.5		
Heat shook-shock protein 70 testis variant	40656_at	4.4	5.0	4.1	5.9		
gb=AA142942	33399_at	4.4	5.3	4.3	4.6		
gb=U26710	35832 <u>35632</u> at	4.4	3.1	5.0 5.4	7.4		
stress-activated protein kinase 4	33245_at	4.4	3.8	4.0	3.3		
ST15	35234_at	4.3	3.3	3.9	6.2		
villin-like protein	37123_at	4.3	3.4	4.1	3.6		
gb =U79255 <u>U79256</u>	37677 <u>37577</u> at	4.3	3.2	4.7	2.5		
gb=L13744	35975_at	4.3	3.4	5.9	8.3		
gb=AL049701	34446_at	4.3	3.3	5.1	2		
FIP2 alternatively translated	41743 <u>-l_at_i</u> <u>at</u>	4.3	4.3	4.9	4.3		
NF-AT4c	40822_at	4.3	4.1	4.5	3.9		
putative poly(ADP-ribosyl) transferase (PARPL)	37303_at	4.3	4.4	4.9	4.6		
KIAA0373 gene	38135_at	4.3	3.8	5.4	5.8		
gb=W26640	35357_at	4.3	4	3.4	9.3		
SCM-1beta precursor	31495_at	4.2	31.5	8.8	8.1		
gb=D87077	38892_at	4.2	3.9	5.1	4.1		
mitochondrial RNA polymerase	40232_at	4.2	3.5	5.3	4.7		
gb=AA780049	40615_at	4.2	4.1	5.4	3.2		

Table 2.	Genes upregulated in	LGL1, LGL2 and LGL3/RA	(Affymetrix U 95)
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Gene Name	Accession No.	LGL1 (Fold i	LGL2	LGL3/RA ompared to N	CD8+
		(1 014 1		BMC)	Ollinai
gb=AA905543	38620_at	4.2	5.0	4 <u>.84.6</u>	2.7
(AF1q)	36941_at	4.2	4.0	5.1	11.1
KIAA0018 gene	38658 <u>36658</u> at	4.2	5.9	3.1	4.7
platelet activating receptor homolog (H963)	31919_at	4.2	3.4	13.9	9.9
SET-binding protein (IEF-SP 3521)(SEB)	34990_at	4.2	4.3	6.2	1.3
transformation sensitive protein (IEF SSP 3521)	207_at	4.2	8.3	3.6	6.6
protein-tyrosine phosphatase	14801460_g at	4.2	4.2	6.4	4.1
(GalT3 (beta3- Galactosyltransferase))	35944_at	4.1	3.9	5.4	3.5
Arp2/3 protein complex subunit p16-Arc (Arc15)(Arc16)	38392_at	4.1	3.8	3.7	3.9
nuclear receptor co-repessor N-CoR	39722_at	4.1	5.1	6.1	4.2
gb=AA808981AA808961	38287_at	4.1	5.2	4.4	2.3
transcription factor ISGF-3	AFFX- HUMISGF 3A/M9793 5_3_at	4.1	5.2	7.3	2.7
Jak2 kinase	37468_at	4.1	6.1 <u>5.</u> <u>1</u>	5.5	3.5
transcription factor ISGF-3	AFFX- HUMISGF 3A/M9793 5_MA_at	4.1	3.9	6.9	1
21p21-activated protein kinase (Pak1)	1558_g_at	4.1	6.9	6.1 <u>5.1</u>	-1.5
gb=D79985	33889_s_at	4.1	3.8	4.6	7.1
gb=AB002347	39797_at	4.1	4.5	7.1	8.1

Table 2.	Genes upregulated in LGL1, LGL2 and LGL3/RA (Affymetrix U 95)	

			,		
Gene Name	Accession No.	LGL1		LGL3/RA	CD8+
		(Fold increase compared to Norma PBMC)			Iormal
gb=D79998	34858_at	4.1	3.8	4.7	8.8
short form transcription factor C-MAF (c-maf)	4150641505_r _at	4.1	4.8	3.1	2.6
gb=AW051579	33192_g_at	4.1	5.2	5.7	5.8
lycosylphosphatidyl inositol- anchored protein GPI-80	34498_at	4.1	3.7	11.2	1.6
DNA helicase (RECQL)	34684_at	4.1	5.2	7	8.6
KIAA0838 protein	34719_at	4.1	4	6.2	7.4
SKAP55	38862_at	4.1	3.3	4.3	2.2
Sel-1 like mRNA	40689_at	4	3.4	3.6	3.4
c-myc binding protein	1904_at	4	5.3	3.4	4.1
T-cell receptor alpha chain C region	432_s_at	4	5.1	3	4.8
calcium activated neutral protease large subunit (muCANP, calpain, EC 3.4.22.17)	33908_at	4	5.5	3.9	3.5
uridine disphosphoglucose <u>diphosphoglucose</u> pyrophosphorylase	37373_at	4	3.6	3.7	3.7
SH2D1A	38147_at	4	3.4	4.4	3.9
gb=AL035295AL035296	37119_at	4.0	3.4	6.4	5.3
gb=AF070595	38170_at	4.0	3.0	4.2	6.5
gb=H05692	35283_at	3.9	4.0	5.4	5.4
gb=AI540318	41234_at	3.9	3.5	5.5	3.4
gb=X79882	38064_at	3.9	4.7	3.3	2.3
GAP binding protein p62dok (DOK)	815_at	3.9	5.3	6.9	3.7
OPA-containing protein	40998_at	3.9	4	4.1	5.4
myogenic determining factor 3 (MYOD1)	33482_at	3.9	4.0	4.2	4.9

Table 2.	Genes upregulated in I	GL1, LGL2 and LGL3/RA	(Affymetrix U 95)
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Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+
		(Fold increase compared to Normal PBMC)			Iormal
gb=AA293354AA203354	38981_at	3.9	6.2	3.7	5.7
gb=AF006083	35271_at	3.9	3.4	3.1	3.2
ICAM-2	38454_g_at	3.9	6.4	3	5.7
protein-tyrosine phosphatase	1459_at	3.9	3.2	5.9	3.7
T -lymphocyte specific protein tyrosine kinase p56lck (lck) abberant mRNA	33238_at	3.9	3.6	3.7	4.7
zinc finger protein	39261_at	3.9	4.0	6.7	7.4
KIAA0097 gene	37293_at	3.8	3.4	5.4	4.3
cytosalic acetoacatyl- coenyme-coenzyme A thiolase	34790_at	3.8	3.1	3.2	6.8
NF-AT4c	250_at	3.8	3	4	2.7
gb=X77744	32883_at	3.8	4	6.1	5.4
gb=Y08614	37729_at	3.8	3.9	4.5	3.8
transcription factor WSTF	32261_at	3.8	4.4	5	5.5
TATA-binding protein mRNA	41441_at	3.8	3.2	4.6	7.3
KIAA0543 protein	41077_at	3.8	4.6	5.5	12.7
lymphocyte-specific protein tyrosine kinase (lck)	2059_s_at	3.7	3.9	4.1	4.7
CHD5 protein	32777_at	3.7	3.3	6.7	5.4
KIAA0549	40084 <u>40064</u> at	3.7	4	3.3	4.9
leukemia associated gene 1	33791_at	3.7	5.4	3.1	3.9
DM33Diff33	37007_at	3.7	3.9	4.6	5.6
branched chain alpha- ketoacid dehydrogenasekinase precursor	32828_at	3.7	3.2	7.6	2.9

Gene Name	Accession No.	LGL1		LGL3/RA	CD8+
		(Fold increase compared to No PBMC)			
gb=AL022398	40720_at	3.7	3.6 <u>3.</u> <u>8</u>	3.1	5.4
KIAA0748-KIAA0746 protein	41585_at	3.7	3.5	5.5	3.6
gb=AL050018	4 6875 36875at	3.7	5.2	3.2	4.8
gb=D25538	40585_at	3.7	4.3	3.8	1.9
gb=X84908	37392_at	3.7	3.9	5.9	2.9
/gb= X70478 <u>X70476</u>	36877 <u>36677</u> at	3.6	3.8	4.8	4.4
Interleukin1interleukin 1-beta converting enzyme isoform beta (IL1BCE)	39320_at	3.6	3.1 <u>6.</u> <u>6</u>	3.1	-1.8
Rad50	1533_at	3.6	3.7 <u>3.</u> 4	3.7	3.6
snRNA activating protein complex 190kD subunit (SNAP190)	35092_at	3.6	3.9 <u>6.</u> <u>6</u>	3.9	6.4
gb=AI655015	39932_at	3.6	<u>56.8</u>	5	6.2
TGF-beta activated kinase 1a	36905_at	3.6	5.1 <u>3.</u> <u>6</u>	5.1	7
TAFII20	802_at	3.6	5.1 <u>4.</u> <u>0</u>	5.1	4.9
gb=AA203246	41821_at	3.6	4.8 <u>4.</u> 1	4.8	4.2
KIAA0039 gene	37646_at	3.6	5.1 <u>3.</u> <u>0</u>	5.1	3.2

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Table 2. Genes upregulated in LGL1, LGL2 and LGL3/RA (Affymetrix U 95)						
Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+	
		(Fold in		ompared to N BMC)	lormal	
KIAA0494	41830_at	3.5	3.4 <u>3.</u> <u>8</u>	3.4	4.3	
gb=AI547262	33875_at	3.5	3.3 <u>3.</u> 1	3.3	2	
gb=AC002310	40905_at	3.5	7.5 <u>4.</u> <u>0</u>	7.5	4.0	
MHC class III HSP70-2 gene (HLA)	31692_at	3.5	5.1 <u>8.</u> 2	5.1	4.3	
T-cell surface antigen CD2 (T11)	40738_at	3.5	4.2	4.2	3.5	
tob family	39286_at	3.5	5.9 <u>3.</u> <u>3</u>	5.9	5.8	
phosphorlbosypyro phosphatephosphoribosypyro phosphate synthetase- associated protein 39	37338_at	3.5	4.3 <u>4.</u> <u>6</u>	4.3	6.9	
P-selectin glycoprotein ligand (SELPLG)	37541_at	3.5	3.1 <u>3.</u> 2	3.1	3.2	
leupaxin	36062_at	3.5	4.7 <u>3.</u> 4	4.7	5.5	
KIAA0992 protein	41191_at	3.5	3.6	6.5	-1.5	
gb=W22296	36957_at	3.4	3.1	3.4	3	
proloporphyrinogen protoporphyrinogen oxidase	37098_at	3.4	3.7	4.2	8.2	
prolyl oligopeptidase	37950_at	3.4	3.6	4.7	2.4	
Toll/interleukin-1 receptor- like protein 3 (TILS)(TIL3)	34473_at	3.4	4.0	7.2	2.4	
elass-Iclass-I MHC-restricted T cell associated molecule (CRTAM)	36389_at	3.3	11.8	9.4	12.5	

Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+
		(Fold in		ompared to N BMC)	Vormal
meningioma-expressed antigen 6 (MEA6)	41615_at	3.3	4.3	5.4	6.6
HMED7-hMed7 (MED7)	36648_at	3.3	3.1	5.1	6.9
acetyl-coenzyme A transporter	34666 <u>34668</u> at	3.3	3.1	4.4	3.7
KIAA0241 gene	39761_at	3.3	4.8	7.1	7.7
gb= <u>U00948</u> <u>U00946</u>	32185_at	3.3	3.6	4.84.6	3.4
gb=X53390	38794_at	3.3	4	3.2	6.1
Kruppel-type zinc finger protein	35588_at	3.3	3.3	6.5	11.8
gb=AL050159	38717_at	3.3	5.5	4.2	-4.7
protein-tyrosine phosphatase 1C	794_at	3.3	5.4	3.2 3.3	1.1
DAP-kinase mRNA	40049_at	3.3	5.8	9.4	-2.1
KIAA1105 protein	33457_at	3.3	4.8	5.2	5.4
son-a	39097_at	3.3	3.5	4	4.6
neutral amino acid transporter B mRNA	41178 <u>41778</u> at	3.3	4.2	3.4	2.8
candidate tumor suppressor gene 21 protein isoform 1-I mRNA	40498_g_at	3.2	3	3.6 3.5	2.3
KIAA0453 protein	32743_at	3.2	3.0	4.5 <u>4.6</u>	6.6
gb=AL060133AL080133	41815_at	3.2	4.3	5.5	4.7
DMA, DMB, HLA-Z1, IPP2, LMP2, TAP1, LMP7, TAP2, DOB, DQB2 and RING8, 9, 13 and 14 genes	41184 <u>at</u> s_at	3.2	3.5	3	2.2
2,4-dienoyl-CoA reductase gene	38104_at	3.2	4.8	3.4	3.3
gb=AF055024	31875_at	3.2	3.3	4.4	4.9
KIAA0088-KIAA0068 gene	37306_at	3.2	7.9	11.6	-1.7

Table 2. Genes upregulated	l in LGL1, LGL2	and LGL3	3/RA (Afi	fymetrix U 95	5)
Gene Name	Accession No.	LGL1	LGL2	LGL3/RA	CD8+
		(Fold i		ompared to N BMC)	lormal
mitochondrial 3-oxoacyl- CoA thiolase	41530_at	3.2	4.2	3.2	2.5
replication protein A 70kDa	38481_at	3.2	3.2	3.1	4.6
Human Interferon-gamma induced protein (IFI 16) gene	1456_s_at	3.1	3.6 <u>3.</u> <u>5</u>	6	3.1
VHL binding protein-1 (VBP-1)	171_at	3.1	3.6	3	4.6 <u>4.5</u>
butyrophilin (BTF5)	32629_f_at	3.1	3.6	5.3 <u>5.2</u>	3
gb=A1966201A1986201	35787_at	3.1	4.3	5.1	7.1
gb=AL050275	39115_at	3.1	3.7	4.4	8.1
gb=AI478147	4 0653 40853_ at	3.1	4.1	4.8	1.7
gb=AB028960	40829_at	3	6.7	6.7	7.5
gb=AL049435	38510_at	3.0	4.5	9.0	1.2
gb=AL080115	39442_at	3	3.7	6.3	4.6
Human phosphatase 2A	924_s_at	3	3.8	3.2	5
WNT7a	35783 <u>36763</u> at	3	4.5	4.4	10.0
Skeletal skeletal muscle abundant protein	32655_s_at	3.0	3.2	6.0	7.7
Gb=R59608R59606	41302_at	3	3.4	3.9	3.5
Gbgb=AF070590	40760_at	3.0	3.7	4.1	2.1
Phosphatidylinositol-4- phosphate 5-kinase type II beta	35741_at	3	3.8	3.9	5.4
KIAA0541 protein	41430_at	3	3.4	4.6	3.7
FIP2 alternatively translated	41742_s <u>at</u>	3	3	3.3	3.2

Table 3. Genes that are down-regulated in LGL leukemia patients when compared to normal (Affymetrix U 95)

Name of the Gene			T		····
at	Name of the Gene	Accession No.	LGL 1	LGL 2	LGL3/RA
2. retinal short-chain dehydrogenase/reductase retSDR1	1. KIAA0508	33581 <u>33591</u>	-2.8	-24.8	-23.7
dehydrogenase/reductase retSDR1					
3. KIAA0414		40782_at	-1.4	-17.1	-10
4. hypothetical protein FLJ10097 40916_at -1.3 -10.6_blook -8-6 5. KIAA0552 38248_at 1.9 -9.7 -11.7 6. integrin alpha 6 subunit 39753_at -2.1 -9.4 -5.3 7. KIAA0172 37225_at -2.2 -9.1 -8.6 8. two-handed zinc finger protein 33440_at 1.5 -7.9 -8.0 ZEB	<u> </u>				
5. KIAA0552 38248 at 1.9 -9.7 -11.7 6. integrin alpha 6 subunit 39753 at -2.1 -9.4 -5.3 7. KIAA0172 37225 at -2.2 -9.1 -8.6 8. two-handed zinc finger protein 33440_at 1.5 -7.9 -8.0 ZEB 9. sterol-C5-desaturase 33421_s at -2.4 -7.6 -10.0 10. nuclear factor RIP140 40088 at -2.2 -6.9 -4.6 11. SCML2 protein 38518_at -2.1 -5.8 -5.3 12. receptor protein-tyrosine kinase (HEK8) 1606_at 3.5 -5.5 -4.8 13. hSGT1 33746_at -2.9 -5.5 -5.4 14. gb=AL080144 35672_at -2.4 -5 -7 15. Dr1-associated corepressor (DRP1)(DRAP1) 39166_s_at -2.5 -4.7 -7.4 16. collagen binding protein 2 39166_s_at -2.5 -4.7 -7.4 17. CD44 isoform RC (CD44) 31472_at_s_at_s_at -2.3 -4.6 -4.6 18. USF2 38324_at 2.5 -4.5 -5.0 <td< td=""><td></td><td>41695_at</td><td>1</td><td></td><td></td></td<>		41695_at	1		
5. KIAA0552 38248_at 1.9 -9.7 -11.7 6. integrin alpha 6 subunit 39753_at -2.1 -9.4 -5.3 7. KIAA0172 37225_at -2.2 -9.1 -8.6 8. two-handed zinc finger protein 33440_at 1.5 -7.9 -8.0 ZEB 33421_s_at -2.4 -7.6 -10.0 9. sterol-C5-desaturase 33421_s_at -2.4 -7.6 -10.0 10. nuclear factor RIP140 40088_at -2.2 -6.9 -4.6 11. SCML2 protein 38518_at -2.1 -5.8 -5.3 12. receptor protein-tyrosine kinase (HEK8) 1606_at 3.5 -5.5 -4.8 13. hSGT1 33746_at -2.9 -5.5 -5.4 14. gb=AL080144 35672_at -2.4 -5 -7 15. Dr1-associated corepressor 39077_at -1 -4.9 -14.7 (DRP1)(DRAP1) 31472_at_s_at_a -2.5 -4.7 -7.4 17. CD44 isoform RC (CD44) 31472_at_s_at_a -2.3 -4.6 -4.6 18. USF2 38324_at -2.	4. hypothetical protein FLJ10097	40916_at	-1.3	-10.6 -	-8 <u>-6</u>
6. integrin alpha 6 subunit 39753_at -2.1 -9.4 -5.3 7. KIAA0172 37225_at -2.2 -9.1 -8.6 8. two-handed zinc finger protein 33440_at 1.5 -7.9 -8.0 ZEB 33421_s_at -2.4 -7.6 -10.0 9. sterol-C5-desaturase 33421_s_at -2.4 -7.6 -10.0 10. nuclear factor RIP140 40088_at -2.2 -6.9 -4.6 11. SCML2 protein 38518_at -2.1 -5.8 -5.3 12. receptor protein-tyrosine kinase 1606_at 3.5 -5.5 -4.8 (HEK8) 33746_at -2.9 -5.5 -4.8 13. hSGT1 33746_at -2.9 -5.5 -5.4 14. gb=AL080144 35672_at -2.4 -5 -7 15. Dr1-associated corepressor 39077_at -1 -4.9 -14.7 (DRP1)(DRAP1) 31472_at_s_at -2.5 -4.7 -7.4 17. CD44 isoform RC (CD44) 31472_at_s_at -2.5 -4.5 -5.0 19 G protein-coupled receptor (EBI 1) gene exon 3 38					
7. KIAA0172 37225 at -2.2 -9.1 -8.6 8. two-handed zinc finger protein 33440_at 1.5 -7.9 -8.0 ZEB 33421_s_at -2.4 -7.6 -10.0 10. nuclear factor RIP140 40088_at -2.2 -6.9 -4.6 11. SCML2 protein 38518_at -2.1 -5.8 -5.3 12. receptor protein-tyrosine kinase (HEK8) 1606_at 3.5 -5.5 -4.8 13. hSGT1 33746_at -2.9 -5.5 -5.4 14. gb=AL080144 35672_at -2.4 -5 -7 15. Dr1-associated corepressor (DRP1)(DRAP1) 39166_s_at -2.5 -4.7 -7.4 17. CD44 isoform RC (CD44) 31472_at_s_at -2.5 -4.7 -7.4 18. USF2 38324_at 2.5 -4.5 -5.0 19. G protein-coupled receptor (EBI 1) gene exon 3 -4.1 -5.4 -5.4 1) gene exon 3 30.5 -5.2 -4.0 -3.9 21. gb=AC002073 36231_at -2.2 -4.0 -3.9 22. nel-related protein 2 32598_at <	5. KIAA0552	38248_at	1.9	-9.7	1
8. two-handed zinc finger protein ZEB 33440_at 1.5 -7.9 -8.0 9. sterol-C5-desaturase 33421_s_at -2.4 -7.6 -10.0 10. nuclear factor RIP140 40088_at -2.2 -6.9 -4.6 11. SCML2 protein 38518_at -2.1 -5.8 -5.3 12. receptor protein-tyrosine kinase (HEK8) 1606_at 3.5 -5.5 -4.8 13. hSGT1 33746_at -2.9 -5.5 -5.4 14. gb=AL080144 35672_at -2.4 -5 -7 15. Dr1-associated corepressor (DRP1)(DRAP1) 39077_at -1 -4.9 -14.7 16. collagen binding protein 2 39166_s_at -2.5 -4.7 -7.4 17. CD44 isoform RC (CD44) 31472_at_s_ats_at -2.5 -4.6 -4.6 18. USF2 38324_at 2.5 -4.5 -5.0 19. G protein-coupled receptor (EBI 1) gene exon 3 -4.1 -5.4 -5.4 20. serine/threonine kinase receptor-2-3 (SKR2-3) 36231_at -2.2 -4.0 -3.9 21. gb=AC002073 36231_at -2.2 -4 -12.8	6. integrin alpha 6 subunit	39753_at	-2.1	-9.4	-5.3
ZEB 33421 s at -2.4 -7.6 -10.0 10. nuclear factor RIP140 40088 at -2.2 -6.9 -4.6 11. SCML2 protein 38518 at -2.1 -5.8 -5.3 12. receptor protein-tyrosine kinase (HEK8) 1606 at 3.5 -5.5 -4.8 13. hSGT1 33746 at -2.9 -5.5 -5.4 14. gb=AL080144 35672 at -2.4 -5 -7 15. Dr1-associated corepressor (DRP1)(DRAP1) 39077 at -1 -4.9 -14.7 16. collagen binding protein 2 39166 s at -2.5 -4.7 -7.4 17. CD44 isoform RC (CD44) 31472 at s at -2.3 -4.6 -4.6 18. USF2 38324 at 2.5 -4.5 -5.0 19. G protein-coupled receptor (EBI 1) gene exon 3 1097 s at 3 -4.1 -5.4 1) gene exon 3 36231 at -2.2 -4.0 -3.9 23. transducin-like enhancer protein (TLE3) 38234 at -2.4 -3.9 -5.3 24. DNA binding protein (SATB1) 3889936899 at 1.5 -3.8 -4.8 <t< td=""><td>7. KIAA0172</td><td>37225_at</td><td>-2.2</td><td>-9.1</td><td>-8.6</td></t<>	7. KIAA0172	37225_at	-2.2	-9.1	-8.6
9. sterol-C5-desaturase 33421 s at -2.4 -7.6 -10.0 10. nuclear factor RIP140 40088 at -2.2 -6.9 -4.6 11. SCML2 protein 38518 at -2.1 -5.8 -5.3 12. receptor protein-tyrosine kinase (HEK8) 1606 at 3.5 -5.5 -4.8 13. hSGT1 33746 at -2.9 -5.5 -5.4 14. gb=AL080144 35672 at -2.4 -5 -7 15. Dr1-associated corepressor (DRP1)(DRAP1) 39077 at -1 -4.9 -14.7 16. collagen binding protein 2 39166 s at -2.5 -4.7 -7.4 17. CD44 isoform RC (CD44) 31472 at s at -2.3 -4.6 -4.6 18. USF2 38324 at 2.5 -4.5 -5.0 19. G protein-coupled receptor (EBI 1) gene exon 3 -4.1 -5.4 -5.4 1) gene exon 3 36231 at -2.2 -4.0 -3.9 23. transducin-like enhancer protein (TEBI 2) 32598 at 4.1 -3.9 -5.3 23. transducin-like enhancer protein (SATB1) 3889936899 at 1.5 -3.8 -4.7	8. two-handed zinc finger protein	33440_at	1.5	-7.9	-8.0
10. nuclear factor RIP140 40088 at -2.2 -6.9 -4.6 11. SCML2 protein 38518 at -2.1 -5.8 -5.3 12. receptor protein-tyrosine kinase (HEK8) 1606 at 3.5 -5.5 -4.8 13. hSGT1 33746 at -2.9 -5.5 -5.4 14. gb=AL080144 35672 at -2.4 -5 -7 15. Dr1-associated corepressor (DRP1)(DRAP1) 39077 at -1 -4.9 -14.7 16. collagen binding protein 2 39166 s at -2.5 -4.7 -7.4 17. CD44 isoform RC (CD44) 31472 at s at -2.3 -4.6 -4.6 18. USF2 38324 at 2.5 -4.5 -5.0 19. G protein-coupled receptor (EBI 1)gene exon 3 3 -4.1 -5.4 1) gene exon 3 34055 at -2.2 -4.0 -3.9 23. (SKR2-3) 36231 at -2.2 -4 -12.8 22. nel-related protein 2 32598 at 4.1 -3.9 -5.3 23. transducin-like enhancer protein (SATB1) 3889936899 at 1.5 -3.8 -4.7 25. KIAA0443 </td <td>ZEB</td> <td>_</td> <td></td> <td></td> <td></td>	ZEB	_			
11. SCML2 protein 38518 at -2.1 -5.8 -5.3 12. receptor protein-tyrosine kinase (HEK8) 1606 at 3.5 -5.5 -4.8 13. hSGT1 33746 at -2.9 -5.5 -5.4 14. gb=AL080144 35672 at -2.4 -5 -7 15. Dr1-associated corepressor (DRP1)(DRAP1) 39077 at -1 -4.9 -14.7 16. collagen binding protein 2 39166 s at -2.5 -4.7 -7.4 17. CD44 isoform RC (CD44) 31472 at s at -2.3 -4.6 -4.6 18. USF2 38324 at 2.5 -4.5 -5.0 19. G protein-coupled receptor (EBI 1) gene exon 3 1097 s at 3 -4.1 -5.4 1) gene exon 3 34055 at -2.2 -4.0 -3.9 23. (SKR2-3) 36231 at -2.2 -4 -12.8 22. nel-related protein 2 32598 at 4.1 -3.9 -5.3 23. transducin-like enhancer protein (SATB1) 3889936899 at 1.5 -3.8 -4.7 25. KIAA0443 37446 at 1.7 -3.8 -4.8	9. sterol-C5-desaturase	33421 s at	-2.4	-7.6	-10.0
12. receptor protein-tyrosine kinase (HEK8)	10. nuclear factor RIP140	40088 at	-2.2	-6.9	-4.6
12. receptor protein-tyrosine kinase (HEK8)	11. SCML2 protein	38518 at	-2.1	-5.8	-5.3
(HEK8) 33746 at -2.9 -5.5 -5.4 14. gb=AL080144 35672 at -2.4 -5 -7 15. Dr1-associated corepressor (DRP1)(DRAP1) 39077_at -1 -4.9 -14.7 16. collagen binding protein 2 39166 s_at -2.5 -4.7 -7.4 17. CD44 isoform RC (CD44) 31472 at s_at -2.3 -4.6 -4.6 18. USF2 38324 at -2.5 -4.5 -5.0 19. G protein-coupled receptor (EBI 1) gene exon 3 1097_s_at -4.1 -5.4 20. serine/threonine kinase receptor-2-3 (SKR2-3) 36231 at -2.2 -4 -12.8 21. gb=AC002073 36231 at -2.2 -4 -12.8 22. nel-related protein 2 32598_at -2.4 -3.9 -5.3 23. transducin-like enhancer protein (TLE3) 38234_at -2.4 -3.9 -3.2 24. DNA binding protein (SATB1) 3889936899 at -2.4 -3.8 -4.8 25. KIAA0443 37446_at -1.7 -3.8 -4.8		1606 at	3.5	-5.5	-4.8
14. gb=AL080144 35672 at -2.4 -5 -7 15. Dr1-associated corepressor (DRP1)(DRAP1) 39077_at -1 -4.9 -14.7 (DRP1)(DRAP1) 39166 s_at -2.5 -4.7 -7.4 16. collagen binding protein 2 39166 s_at -2.5 -4.7 -7.4 17. CD44 isoform RC (CD44) 31472_et_s_at -2.3 -4.6 -4.6 18. USF2 38324 at 2.5 -4.5 -5.0 19. G protein-coupled receptor (EBI 1) gene exon 3 1097_s_at 3 -4.1 -5.4 1) gene exon 3 34055_at -2.2 -4.0 -3.9 2-3 (SKR2-3) 36231_at -2.2 -4 -12.8 22. nel-related protein 2 32598_at 4.1 -3.9 -5.3 23. transducin-like enhancer protein (SATB1) 3889936899_at 1.5 -3.8 -4.7 25. KIAA0443 37446_at 1.7 -3.8 -4.8		_			
15. Dr1-associated corepressor	13. hSGT1	33746 at	-2.9	-5.5	-5.4
15. Dr1-associated corepressor (DRP1)(DRAP1) 39077_at -1 -4.9 -14.7 16. collagen binding protein 2 39166_s_at -2.5 -4.7 -7.4 17. CD44 isoform RC (CD44) 31472_at_s_at -2.3 -4.6 -4.6 18. USF2 38324_at 2.5 -4.5 -5.0 19. G protein-coupled receptor (EBI 1097_s_at 3 -4.1 -5.4 1) gene exon 3 -4.1 -5.4 1) gene exon 3 -2.2 -4.0 -3.9 20. serine/threonine kinase receptor-2-3 (SKR2-3) -2.2 -4.0 -3.9 21. gb=AC002073 36231_at -2.2 -4 -12.8 22. nel-related protein 2 32598_at 4.1 -3.9 -5.3 23. transducin-like enhancer protein (TLE3) 3889936899 1.5 -3.8 -4.7 24. DNA binding protein (SATB1) 3889936899 1.5 -3.8 -4.7 25. KIAA0443 37446_at 1.7 -3.8 -4.8	14. gb=AL080144	35672 at	-2.4	-5	-7
16. collagen binding protein 2 39166 s at -2.5 -4.7 -7.4 17. CD44 isoform RC (CD44) 31472 at s at -2.3 -4.6 -4.6 18. USF2 38324 at 2.5 -4.5 -5.0 19. G protein-coupled receptor (EBI 1097_s_at 3 -4.1 -5.4 1) gene exon 3 -4.1 -5.4 1) gene exon 3 -4.1 -5.4 20. serine/threonine kinase receptor-2-3 (SKR2-3) -2.2 -4.0 -3.9 21. gb=AC002073 36231 at -2.2 -4 -12.8 22. nel-related protein 2 32598 at 4.1 -3.9 -5.3 23. transducin-like enhancer protein (TLE3) -3.8 -4.7 24. DNA binding protein (SATB1) 3889936899 1.5 -3.8 -4.7 25. KIAA0443 37446 at 1.7 -3.8 -4.8		39077 at	-1	-4.9	-14.7
16. collagen binding protein 2 39166 s at -2.5 -4.7 -7.4 17. CD44 isoform RC (CD44) 31472 at s at -2.3 -4.6 -4.6 18. USF2 38324 at 2.5 -4.5 -5.0 19. G protein-coupled receptor (EBI 1) gene exon 3 1097 s at 3 -4.1 -5.4 1) gene exon 3 34055 at -2.2 -4.0 -3.9 2-3 (SKR2-3) 36231 at -2.2 -4 -12.8 22. nel-related protein 2 32598 at 4.1 -3.9 -5.3 23. transducin-like enhancer protein (TLE3) 3889936899 at 38899 at 388999 at 38899 at 38	(DRP1)(DRAP1)				
17. CD44 isoform RC (CD44) 31472 at s at -2.3 -4.6 -4.6 18. USF2 38324 at 2.5 -4.5 -5.0 19. G protein-coupled receptor (EBI 1) gene exon 3 1097_s_at 3 -4.1 -5.4 1) gene exon 3 34055_at -2.2 -4.0 -3.9 2-3 (SKR2-3) 36231_at -2.2 -4 -12.8 22. nel-related protein 2 32598_at 4.1 -3.9 -5.3 23. transducin-like enhancer protein (TLE3) 38294_at -2.4 -3.9 -3.2 24. DNA binding protein (SATB1) 3889936899_at -2.4 -3.8 -4.7 25. KIAA0443 37446_at 1.7 -3.8 -4.8		39166 s at	-2.5	-4.7	-7.4
18. USF2 38324_at 2.5 -4.5 -5.0 19. G protein-coupled receptor (EBI 1) gene exon 3 1097_s_at 3 -4.1 -5.4 20. serine/threonine kinase receptor-2-3 (SKR2-3) 34055_at -2.2 -4.0 -3.9 21. gb=AC002073 36231_at -2.2 -4 -12.8 22. nel-related protein 2 32598_at 4.1 -3.9 -5.3 23. transducin-like enhancer protein (TLE3) 38234_at -2.4 -3.9 -3.2 (TLE3) 3889936899_at 1.5 -3.8 -4.7 25. KIAA0443 37446_at 1.7 -3.8 -4.8		31472 at s at	-2.3	-4.6	-4.6
1) gene exon 3 20. serine/threonine kinase receptor- 2-3 (SKR2-3) 21. gb=AC002073 22. nel-related protein 2 23. transducin-like enhancer protein (TLE3) 24. DNA binding protein (SATB1) 25. KIAA0443 37446_at 34055_at -2.2 -4.0 -3.9 -3.9 -12.8 -4.7 -3.8 -4.7 -3.8 -4.7			2.5	-4.5	-5.0
1) gene exon 3 20. serine/threonine kinase receptor- 2-3 (SKR2-3) 21. gb=AC002073 22. nel-related protein 2 23. transducin-like enhancer protein 38234_at 24. DNA binding protein (SATB1) 25. KIAA0443 20. serine/threonine kinase receptor- 34055_at 34055_at 34055_at -2.2 -4.0 -3.9 -3.9 -5.3 -5.3 -4.7 -3.8 -4.7 -3.8 -4.7	19. G protein-coupled receptor (EBI	1097 s at	3	-4.1	-5.4
20. serine/threonine kinase receptor- 34055_at -2.2 -4.0 -3.9 2-3 (SKR2-3) 36231_at -2.2 -4 -12.8 21. gb=AC002073 36231_at -2.2 -4 -12.8 22. nel-related protein 2 32598_at 4.1 -3.9 -5.3 23. transducin-like enhancer protein (TLE3) 38234_at -2.4 -3.9 -3.2 24. DNA binding protein (SATB1) 3889936899_at 1.5 -3.8 -4.7 25. KIAA0443 37446_at 1.7 -3.8 -4.8					
2-3 (SKR2-3) 36231_at -2.2 -4 -12.8 21. gb=AC002073 36231_at -2.2 -4 -12.8 22. nel-related protein 2 32598_at 4.1 -3.9 -5.3 23. transducin-like enhancer protein (TLE3) 38234_at -2.4 -3.9 -3.2 24. DNA binding protein (SATB1) 3889936899_at 1.5 -3.8 -4.7 25. KIAA0443 37446_at 1.7 -3.8 -4.8		34055 at	-2.2	-4.0	-3.9
22. nel-related protein 2 32598 at 4.1 -3.9 -5.3 23. transducin-like enhancer protein (TLE3) 38234 at -2.4 -3.9 -3.2 24. DNA binding protein (SATB1) 3889936899 at 1.5 -3.8 -4.7 25. KIAA0443 37446 at 1.7 -3.8 -4.8	-	_			
22. nel-related protein 2 32598_at 4.1 -3.9 -5.3 23. transducin-like enhancer protein (TLE3) 38234_at -2.4 -3.9 -3.2 24. DNA binding protein (SATB1) 3889936899_at 1.5 -3.8 -4.7 25. KIAA0443 37446_at 1.7 -3.8 -4.8	21. gb=AC002073	36231 at	-2.2	-4	-12.8
23. transducin-like enhancer protein (TLE3) 38234_at -2.4 -3.9 -3.2 24. DNA binding protein (SATB1) 3889936899_at 1.5 -3.8 -4.7 25. KIAA0443 37446_at 1.7 -3.8 -4.8			4.1	-3.9	
(TLE3) 3889936899 at 1.5 -3.8 -4.7 25. KIAA0443 37446 at 1.7 -3.8 -4.8		38234 at	-2.4	-3.9	-3.2
24. DNA binding protein (SATB1) 3889936899 at 1.5 -3.8 -4.7 25. KIAA0443 37446 at 1.7 -3.8 -4.8		_			
25. KIAA0443 37446_at 1.7 -3.8 -4.8		3889936899	1.5	-3.8	-4.7
25. KIAA0443 37446_at 1.7 -3.8 -4.8					
	25. KIAA0443	 	1.7	-3.8	-4.8
				+	

27. GBgb=AF052160	34962_at	-1.7	-3.7	-9.6
28. LIM protein SLIMMER	32542_at	-1.1	-3.7	-4.8
29. calponin	40953_at	2.9	-3.7	-3.6
30. KIAA0346	41386 i at	<u>-2.2</u>	<u>-3.7</u>	<u>-4.1</u>
31. nuclear factor kappa-B DNA	1378 g at	<u>-2.3</u>	<u>-3.4</u>	<u>-4.1</u>
binding subunit (NF-kappa-B)				
32. You paraneoplastic antigen	36190_at	<u>-1.2</u>	<u>-3.3</u>	<u>-5.8</u>
(CDR2)				
33. cell surface glycoprotein CD44	1125 s at	<u>-2.7</u>	<u>-3.1</u>	<u>-3.4</u>
(CD44) gene, 3 end of long tailed				
isoform				
34. Death Receptor 3 (DR-3, WSL-	41189_at	2.3	<u>-3</u>	<u>-3.8</u>
S1, Apo-3)				
35. gb=AL049365	34788 at	1.2	<u>-3</u>	<u>-7.6</u>